

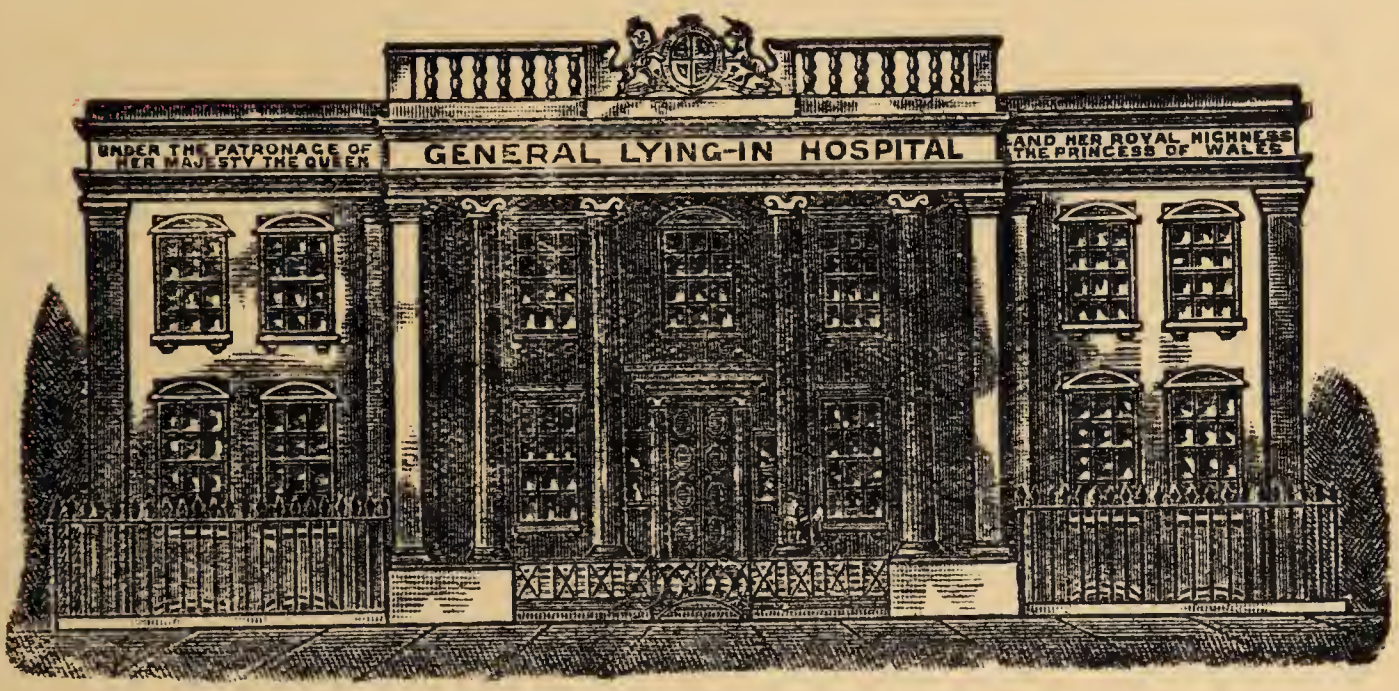
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MEDICAL REPORT

FOR THE YEAR

1946



The

General Lying-in Hospital

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IN-PATIENTS

Seven hundred and seventy-six patients were delivered during the year, and thirteen of these were multiple pregnancies; the total number of babies of viable age being seven hundred and seventy-nine.

As virtually all of these cases had been ante-natalled, it would serve no useful purpose this year to divide them into "booked" and emergency cases.

Delivered in Hospital	...	...	...	757
B.B.A.	...	...	...	1
Cæsarean Section...	...	...	...	8
				766

There was one maternal death.

ANALYSIS OF CASES ADMITTED TO THE HOSPITAL

Primiparæ Multiparæ

Presentation and Complications in the course of or due to Pregnancy :—

First Vertex	...	...	...	...	231	226
Second Vertex	...	...	...	...	115	147
Third Vertex	...	...	...	...	13	11
Fourth Vertex	...	...	...	...	2	4
Breech Presentation	...	...	...	...	10	12
Face Presentation	...	...	...	...	0	0
Transverse Lie	...	...	...	...	0	1
Brow Presentation	...	...	...	...	0	0
Multiple Pregnancy	...	...	...	...	4	8
Prolapse of the Cord	...	...	...	...	1	0
Contraction of Pelvis	...	...	...	...	0	0
Accidental Hæmorrhage	...	...	...	...	2	2
Placenta Praevia	...	...	...	...	2	2
Post-Partum Hæmorrhage	...	...	...	...	20	12
Maternal Morbidity	...	...	...	...	15	3
Toxæmia of Pregnancy	...	...	...	...	14	21
Eclampsia	...	...	...	...	0	0
Cardiac Disease	...	...	...	...	0	0
Other Morbid Conditions	...	...	...	...	1	0
Abortions	...	...	...	...	1	0
First degree Laceration of Perineum...	...	...	...	...	11	10
Second degree Laceration of Perineum	...	...	...	...	99	48
Third degree Laceration of Perineum...	...	...	...	...	2	0
Episiotomy	...	...	...	...	24	1
Forceps	...	...	...	...	27	4
Cæsarean Sections	...	...	...	...	6	2
Stillbirths	...	...	...	...	11	7
Neonatal Deaths	...	...	...	...	2	1

There is a degree of overlapping in the statistics in each section, as cases with complications are entered both under the heading of "Presentation," and also of "Complication."

VERTEX PRESENTATIONS

These numbered 729 cases, comprising 93.5% of the total deliveries. The analysis is as follows :—

Vertex		Primiparæ	Multiparæ	Total	Percentage
First	...	231	226	457	59.96
Second	...	115	147	262	35.93
Third	...	13	11	24	3.29
Fourth	...	2	4	6	0.82

NOTES

The following symbols are used in this report :—

Mother.

N = Normal Puerperium.

S = Pyrexia during Puerperium.

D = Death.

Child.

N = Thrived normally.

SB = Stillborn.

D = Neonatal death.

OCCIPITO-POSTERIOR PRESENTATION

Mode of Delivery	No. of Cases	Result							
		Mother			Child				
		N	S	D	N	SB	D		
Spontaneous Rotation—									
Primiparæ	...	...	2	2	0	0	2	0	0
Multiparæ	...	...	1	1	0	0	1	0	0
Manual Rotation : Forceps—									
Primiparæ	...	...	6	6	0	0	6	0	0
Multiparæ	...	...	1	1	0	0	1	0	0
Persistent Posterior : Spontaneous Delivery—									
Primiparæ	...	...	5			0	4	0	1
Multiparæ	...	...	10	10	0	0	9	1	0
P.O.P.—Forceps—									
Primiparæ	...	...	1	1	0	0	0	1	0
Multiparæ	...	...	0	0	0	0	0	0	0
Manual Rotation : (No Forceps)									
Primiparæ	...	...	3	3	0	0	3	0	0
Multiparæ	...	...	0	0	0	0	0	0	0
Cæsarean Section—									
Primiparæ	...	...	1	0	1	0	1	0	0
Multiparæ	...	...	0	0	0	0	0	0	0

BREECH PRESENTATION

Uncomplicated Cases

				No. of Cases	Result					
					Mother			Child		
					N	S	D	N	SB	ND
Flexed Breech : Spontaneous delivery—										
Primiparæ	...	...	0	—	—	—	—	—	—	—
Multiparæ	...	...	3	3	0	0	2	1	0	
Extended Limbs : Spontaneous delivery—										
Primiparæ	...	...	2	2	0	0	2	0	0	
Multiparæ	...	...	2	2	0	0	2	0	0	
Extended Limbs : Aided delivery—										
Primiparæ	...	...	4	4	0	0	4	0	0	
Multiparæ	...	...	1	1	0	0	1	0	0	
Extended Limbs : Cæsarean Section—										
Primiparæ	...	...	2	2	0	0	2	0	0	
Multiparæ	...	...	0	—	—	—	—	—	—	
Twins : Uncomplicated	...	...	6	6	0	0	6	0	1	
Total	...	...	20	20	0	0	19	1	1	

Fœtal Mortality in Uncomplicated Cases=2/21 or 9.52%.

Complicated Cases

Index No.	Parity	Pregnancy and Labour				Result	
						Mother	Child
212	6	A.P.H. at 30 weeks	...	...	...	N	ND
232	1	A.P.H. at 35 weeks	...	...	...	N	N

FACE AND BROW PRESENTATION

No cases

TRANSVERSE LIE

Index No.	Parity	Labour	Result	
			Mother	Child
182	M	Version to Breech	N	N

PROLAPSE OF CORD

Index No.	Parity	Labour	Result	
			Mother	Child
385	P	Prolapsed in 2nd stage—no treatment...	N	N

MULTIPLE PREGNANCIES

Index No.	Parity	Presentation			Sex			Type	Result		
		Presentation			Sex				Mother	Child	
		1	2	3	1	2	3				
35	M	R.O.A.	R.O.A.	—	F	F	—	Binovular	N	N	—
274	P	L.O.A.	R.O.A.	—	F	F	—	"	N	N	—
306	M	L.O.A.	R.S.A.	—	F	F	—	"	N	N	—
309	M	L.O.A.	Breech	—	M	M	—	"	N	N	—
361	M	L.S.A.	R.S.A.	—	M	M	—	"	N	N	—
393	M	L.S.A.	R.O.A.	—	F	M	—	"	N	N	—
482	M	R.O.A.	R.O.A.	—	F	M	—	"	N	N	—
542	P	L.S.A.	R.S.A.	—	M	M	—	Uniovular	N	ND	—
561	M	L.O.A.	Breech	R.O.A.	F	M	M	Binovular	N	N	N
600	P	L.O.A.	R.S.A.	—	M	M	—	"	N	N	—
734	P	L.O.A.	R.O.A.	—	F	F	—	"	N	N	—
756	M	R.O.P.	R.O.A.	—	F	F	—	"	N	N	—

Foetal Mortality was 1/25 = 4%

DISPROPORTION—CONTRACTED PELVIS

There were two cases only. One was diagnosed as a rachitic flat pelvis and had an elective lower segment Cæsarean section at 39 weeks.

The other had had an X-Ray pelvimetry taken, as outlet contraction was suspected. The report simply stated, "Normal measurements. For these see X-Rays." It was obvious, however, that the pelvic configuration was of the so-called "android" type with considerable funnelling and convergence of the side walls, and a narrow sub-pubic arch.

Labour in this case progressed to full dilatation, but there was a complete outlet obstruction, and a lower segment Cæsarean section was performed.

Both mothers and babies were alive and well.

TOXAEMIA OF PREGNANCY

Index	Age	Parity	Maturity	Urine			Blood Pressure		Discharge	Remarks	Result	
				Admission	Discharge	Admission	Discharge	Admission			Mother	Child
21	35	2	39	+	Nil	140/96	—	Med. Induction	...	...	N	N
22	24	1	40	Nil	Nil	146/88	150/96	Spontaneous	...	...	N	N
54	35	2	39	Nil	Nil	164/110	148/70	Spontaneous	...	...	N	N
67	28	4	40	+	Trace	198/134	120/80	A.R.M.	...	...	N	N
90	33	2	40	Nil	Nil	140/96	136/76	A.R.M.	...	...	N	N
101	25	2	39	Nil	Nil	156/114	144/88	A.R.M.	...	...	N	N
199	32	2	39	Nil	Nil	130/98	118/76	Small A.P.H.	...	...	N	N
207	39	5	40	Nil	Nil	164/90	112/68	30 ozs. P.P.H.	...	...	N	N
226	39	2	36	+	Nil	164/88	134/72	Premature	...	...	N	N
250	26	2	40	+	Nil	168/112	142/104	198/140 after delivery.	20 ozs. Venesection	...	N	N
332	32	1	40	+	+	126/88	120/80	—	...	...	N	N
465	31	2	40	Nil	Nil	130/80	120/80	Med. Induction	...	...	N	N
469	35	1	40	Trace	Nil	130/70	114/90	A.R.M.	...	...	N	N
490	31	5	39	Nil	Nil	150/102	130/90	A.R.M.	...	...	N	N
509	25	1	40	+	Nil	134/100	130/80	A.R.M.	...	...	N	N
561	26	4	35	+	Nil	158/108	124/94	Triplets	...	...	N	N
562	34	2	40	Nil	Nil	130/88	130/80	—	...	...	N	N
603	21	1	40	Nil	Nil	140/70	124/80	—	...	...	N	N
616	30	1	38	Nil	Nil	144/96	108/76	Med. Induction	...	...	N	SB
619	23	1	40	Nil	Nil	115/80	110/85	—	...	...	N	N
621	23	1	43	Nil	Nil	138/86	126/84	—	...	...	N	N
634	22	1	38	+	Nil	136/96	128/96	—	...	...	N	N
642	33	4	36	+	Nil	190/110	180/100	Surg. Induction	...	...	N	N
649	36	1	39	Nil	Nil	164/90	132/90	—	...	...	N	N
651	24	2	40	Nil	Nil	138/94	120/90	—	...	...	N	N
661	31	1	42	Nil	Nil	150/96	140/96	—	...	...	N	N
670	33	2	39	Nil	Nil	138/90	110/70	—	...	...	N	N
686	33	1	42	Nil	Nil	112/78	120/70	Med. Induction	...	...	N	N
698	21	1	37	Trace	Nil	150/94	142/90	Surg. Induction	...	...	N	N
713	38	4	37	+	Nil	195/102	—	—	...	...	N	SB
718	19	1	38	+	Nil	150/90	119/84	—	...	...	N	N
722	42	6	40	Nil	Nil	124/90	110/80	—	...	...	N	N
733	30	1	41	Nil	Nil	128/96	112/72	—	...	...	N	N
756	39	2	39	Nil	Nil	150/100	118/82	Med. Induction	...	...	N	N

ANTE-PARTUM HAEMORRHAGE
Accidental Haemorrhage

Index	Age	Parity	Maturity	Condition	Type	Treatment	Result		Remarks
							Mother	Child	
1	39	2	34	Fair ...	...	A.R.M.	N	S.B.	S.B. Before
199	32	2	39	Good	...	Nil	N	N	
237	26	1	40+	Good	...	Nil	N	N	
341	27	1	35	Good at first. Later deteriorated	Mixed ...	C.S.***	D	S.B.	

Mortality=Maternal, 25% ; Foetal, 50%.

(***=Hysterectomy)

PLACENTA PRAEVIA

Index	Age	Parity	Maturity	Condition	Type	Treatment	Result		Remarks
							Mother	Child	
220	26	1	40	Good	Lateral ...	Nil	N	N	
321	29	1	36	Good	Lateral ...	Two pints blood	N	N	
614	36	4	33	Good	Lateral ...	Version 33 weeks	N	N	
688	32	2	40	Fair	Marginal ...	Classical C. Section	N	N	

Mortality=Nil.

POST-PARTUM HAEMORRHAGE

Index	Parity	Labour	Severity	Treatment	Puerperium
68	P	Normal Vertex	32 ozs.	Crédé ...	S
114	M	Normal Vertex	20 ozs.	Expressed only	N
132	M	Normal Vertex	60 ozs.	Two pints of blood only	N
186	P	Low Forceps	*30 ozs.	Ergometrine only	N
194	M	Normal Vertex	22 ozs.	Ergometrine only	N
209	M	Spontaneous P.O.P.	40 ozs.	Ergometrine only	N
207	M	Normal Vertex	30 ozs.	Ergometrine only	N
215	P	Normal Vertex	45 ozs.	Serum intravenously	N
229	P	Low Forceps, Fœtal distress	140 ozs.	Blood serum. Crédé...	N
236	M	Normal Vertex	26 ozs.	Ergometrine. Crédé	N
243	P	Normal Vertex	50 ozs.	Intravenous Serum	N
252	M	Normal Vertex	36 ozs.	Ergometrine only	N
256	P	Normal Vertex	25 ozs.	Ergometrine only	N
272	P	Normal Vertex	80 ozs.	Manual Removal. Blood	N
298	M	Normal Vertex	40 ozs.	Blood. Ergometrine	N
305	P	Normal Vertex	26 ozs.	Ergometrine only	N
321	P	Normal Vertex	40 ozs.	Blood Ergometrine	N
327	P	Normal Vertex	70 ozs.	Manual Removal. Blood	N
411	P	Normal Vertex	?	Manual Removal	N
454	P	Normal Vertex	38 ozs.	Blood + Plasma. Ergometrine	N
471	P	Normal Vertex	40 ozs.	Crédé ...	N
495	M	Normal Vertex	20 ozs.	Ergometrine	N
570	P	Normal Vertex	26 ozs.	Ergometrine	N
575	P	Normal Vertex	40 ozs.	Crède. Blood	N
631	M	Normal Vertex	26 ozs.	Ergometrine	N
658	M	Normal Vertex	?	Blood + Plasma	N
682	P	Normal Vertex	30 ozs.	Manual Removal	N
698	P	Normal Vertex	25 ozs.	Intravenous Glucose	N
727	P	Normal Vertex	60 ozs.	Manual Removal. Serum + Blood	N
712	P	Normal Vertex	40 ozs.	Crède ...	N
732	M	Normal Vertex	30 ozs.	Crède. Serum + Blood	N
765	P	Normal Vertex	30 ozs.	Ergometrine only	N

ANALYSIS

Normal Vertex. Uncomplicated Labour	...	...	...	20
Normal delivery with 2nd degree Perineal tear	...	...	...	6
Toxæmia + normal delivery	...	...	...	2
Delay. Low forceps	...	...	...	2
P.O.P. Spontaneous	...	...	...	1
Placenta Prævia	...	...	...	1
				32

There were 32 cases of post-partum hæmorrhage (where blood loss was estimated as over 20 ozs.).
In 20 cases the loss occurred before or during the expulsion of the placenta, and in 10, after the placenta had been expelled.

CARDIAC DISEASE

No Cases

FORCEPS

Indication				No. of Cases	Result					
					Mother			Child		
					N	S	D	N	SB	ND
Delay in 2nd Stage	...	...	...	18	17	1	—	18	—	—
P.O.P....	...	...	...	4	4	—	—	4	—	—
Transverse arrest of head	...	...	...	6	6	—	—	6	—	—
Foetal Distress	...	...	...	2	2	—	—	1	1	—
Maternal Distress	...	...	...	1	1	—	—	1	—	—
Total	...	...	...	31	30	1	—	30	1	—

27 were primiparæ and 4 were multiparæ.

Forceps rate was 4.31%.

The Foetal mortality rate was 3.25%.

Maternal morbidity rate was 3.25%.

DESTRUCTIVE OPERATIONS

No Cases

VERSION UNDER ANAESTHESIA

Breech Presentation : Successful, 5.

Breech Presentation : Unsuccessful, 3.

Internal Version for Transverse lie, 1.

One of the unsuccessful version cases was delivered later as a stillborn breech.

ANALGESIA AND ANAESTHESIA

Analgesics and Anæsthetics were administered on 698 occasions out of a total number of 760 deliveries.

								No. of Cases
Gas and Air Analgesia (Minnitt's) for normal delivery + perineal repairs								652
General Anæsthetic for forceps delivery								27
General Anæsthetic for Cæsarean Section								6
General Anæsthetic for normal delivery								4
General Anæsthetic for Surgical Induction								3
General Anæsthetic for Perineal Repair								2
General Anæsthetic for Manual removal of Placenta								2
Local Anæsthetic for repair of Perineum								1
Spinal Anæsthetic for Cæsarean Section								1
								698

SURGICAL INDUCTION OF LABOUR

Indication				Mother			Child		
				Surgical	Medical	N	S	D	N SB ND
For Hypertension	...	10	4	10	0	0	0	0	0
For Hydramnios	...	1	0	1	0	0	0	0	0
For Postmaturity	...	2	0	2	0	0	0	0	0
For Multiple Pregnancy	...	1	0	1	0	0	0	0	0
Cases not noted...	...	1	0	1	0	0	0	0	0

CAESAREAN SECTION

				Result				
Indication		Case No.	Mother			Child		
			N	S	D	N	SB	ND
P.O.P. Elderly Primip.	...	31	N	—	—	N	—	—
Breech Presentation	...	92	N	—	—	N	—	—
Accidental Hæmorrhage	...	341	—	—	D	—	SB	—
Fœtal distress	...	377	N	—	—	N	—	—
Rachitic flat pelvis	...	415	N	—	—	N	—	—
Contracted outlet	...	436	N	—	—	N	—	—
Breech Presentation	...	446	N	—	—	N	—	—
Placenta prævia...	...	688	N	—	—	N	—	—

The operation was by the Classical route in these cases, and the lower segment in the remainder. In one case, that of the accidental hæmorrhage, hysterectomy was also performed.

MATERNAL MORBIDITY

This includes all cases in which a temperature of 100.4 was recorded on any two days in the puerperium (excluding the first twenty-four hours). It includes all cases in previous tables where the maternal result is marked S.

There were 18 cases of morbidity, and the morbidity rate was therefore : 2.36%.

PERINEAL LACERATION

	1st Degree	2nd Degree	3rd Degree	Episiotomy
Primiparæ ...	11	99	2	24
Multiparæ ...	10	48	0	1

Total perineal lacerations + episiotomy = 195

Incidence of perineal damage = 25.6%.

MATERNAL DEATHS

Case No. 341.—This patient was a primipara aged 27. The ante-natal period had been uneventful, and the patient was admitted at the thirty-fifth week, with what appeared on clinical grounds to be a mild revealed type of accidental hæmorrhage. Her blood-pressure was 140/100 and her pulse only in the region of 90-100, with absent foetal heart sounds and a slightly tender and rather tense uterus.

Morphia, warmth and blood transfusion were commenced and continued for some hours, her condition remaining quite satisfactory in the meantime.

Suddenly, after about eighteen hours, and without warning, her pulse rose to 150 and her condition deteriorated sharply. During the whole time, little urine could be obtained by catheterisation, and that little was full of albumen and bloodstained. Further anti-shock treatment was instituted, but in the face of continued Anuria, and obvious lack of response to any form of therapy, it was deemed advisable to attempt delivery by Cæsarean section, as full dosage with Pitocin had not resulted in the onset of labour pains.

At Cæsarean Section, the uterus was of the consistency of soggy blotting paper, and blood welled up continually, in spite of Ergometrine repeatedly injected.

Hysterectomy was obviously essential, but acute œdema of the lungs occurred during the operation, and death took place before its completion; all efforts at resuscitation failing.

Post-mortem Report showed advanced critical necrosis of both kidneys.

MATERNAL MORBIDITY TABLES

Index	Parity	Pregnancy and Labour	Pyrexia	Duration	Remarks	
7	M	Normal Vertex	...	102.2	3 days	Offensive lochia
19	P	Normal Vertex	...	102.8	3 days	? Cause
27	P	Normal Vertex	...	100.4	4 days	Pyelitis
31	P	L.S. Cæsarean Section P.O.P.	100.4	8 days	? Cause	
37	P	Normal Vertex	...	100.2	2 days	Retained Membranes
42	P	Normal Vertex	...	100.2	4 days	2nd degree tear
60	P	Normal Vertex	...	100.4	7 days	P.P.H. Crédé Blood
89	P	Normal Vertex	...	100.2	11 days	Old T.B. history
186	P	Low Forceps	...	102.2	11 days	30 ozs. P.P.H. Breasts
261	P	Normal Vertex	...	103.6	6 days	? Cause
264	M	Normal Vertex	...	102.4	3 days	Tonsillitis
440	P	Normal Vertex	...	100	7 days	Erythema of legs
507	P	Normal Vertex	...	101.4	2 days	? Cause
526	P	Normal Vertex	...	102.4	2 days	Mastitis
539	P	Normal Vertex	...	100+	5 days	Mamary Abscess
550	P	Normal Vertex	...	104	8 days	? Cause
593	P	Normal Vertex	...	100.6	4 days	Mastitis
712	M	Normal Vertex	...	104	3 days	Parametritis

DURATION OF PYREXIA

No. of days	No. of Cases
2	3
3	4
4	3
5	1
6 and over	7

TEMPERATURE RANGE

	No. of Cases
100-101	9
101-102	1
102-103	5
103 and over	3

STILLBIRTHS

Index	Parity	Pregnancy and Labour					Cause of Death
1	M	P.O.P. Accidental Hæmorrhage					Asphyxia
147	M	Normal Vertex	...	...	...	...	Macerated Rh+
165	P	P.O.P. Forceps	...	...	...	...	Tentorial tear
268	P	Normal Vertex	...	...	...	...	Macerated ? Cause
288	P	Normal Vertex	...	...	...	...	Prematurity
327	P	Normal Vertex	...	...	...	...	Asphyxia ? Cause
331	M	Normal Vertex	...	...	...	...	Prematurity
341	P	Normal Vertex.	Accidental hæmorrhage				Asphyxia
409	M	Breech R.S.A.	...	...	...	...	Tentorial tear
470	P	Normal Vertex	...	...	...	...	Prematurity
475	P	Normal Vertex	...	...	...	...	Tentorial tear
523	P	Normal Vertex	...	...	...	...	Macerated ? Cause
529	M	Normal Vertex	...	...	...	...	? Cause
558	P	Normal Vertex.	Forceps	...	...	...	Tentorial tear
616	P	Normal Vertex	...	...	...	...	Maceration Toxæmia
668	P	Normal Vertex	...	...	...	...	Macerated ? Cause
672	M	Normal Vertex	...	...	...	...	Asphyxia
687	P	Normal Vertex	...	...	...	...	Tentorial tear
713	M	Normal Vertex	...	...	...	...	Toxæmia

NEONATAL DEATHS

542	P	Twins	...	...	...	...	Prematurity
624	M	Breech Presentation	...	...	...	...	Asphyxia. Tentorial Tear
701	P	Normal Vertex	...	...	...	...	Broncho-pneumonia, Septicæmia

Stillbirths at term = 16

„ premature = 3

FOETAL STATISTICS

During the six months 779 babies of viable age were delivered in the Hospital.

				Living	Stillborn	Died	Total
MALES—							
Mature	...	...	...	379	12	—	391
Premature	...	...	...	13	2	—	15
Total	...	...	...	392	14	0	406
FEMALES—							
Mature	...	...	...	364	4	—	368
Premature	...	...	...	4	1	—	5
Total	...	...	...	368	5	0	373

Infant Mortality=20.5 per thousand (42.1 in 1933, 45.9 in 1934 and 1935, 27 in 1936, 57.8 in 1937).

Wilding & Son, Ltd., Shrewsbury.

